

Abstract of the Disclosure

The process of transferring a packet including a multicast packet can be performed at a high speed, and the output order between unicast and multicast can be guaranteed by a system including a unit 1 for determining an output port through which a packet input through an input port is to be output, and assigning output order identification information to the packet, a unit 2 for storing data of an input packet; and units 3a, 3b, ... which correspond to each of a plurality of output ports, reading data of a packet determined by the unit 1 to be output through a corresponding output port from the unit 2 in the output order indicated. by output order identification information, and outputs the read data through a corresponding output port.